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axmi007 : REGLKHEEPN-----MR-NSIANDRRYATITVDITAOISFMDIKKDSIG--RIGGIKTEFEITITIT : 351
cry1Aa : NTGLERWEPD-----SRDVAFAORRELESTVIDVALFENSDSRVY-----RTVSQSTFEITITITPV : 272
cry1Ac : NTGLERWEPD-----SRDVAFAORRELESTVIDVALFENSDSRVY-----RTVSQSTFEITITITPV : 272
cry1Ia : STGLERWEPD-----AESMAFAORRELESTVIDVALFESHOTOMY-----DKTTAQLTFEITITITDAI : 300
cry3Aa1 : NVGLERWEPD-----YESMAFAORRELESTVIDVALFELDVLRLY-----KEVKESLFEITITITPH : 316
cry3Ba : NVGLERWEPD-----YDAVAFAORRELESTVIDVALFELDVLRLY-----KGVKESLFEITITITPH : 317
cry4Aa : KGLMLNITTPDSNLDGNINMNTVNTVTKMTAMDDVALFENSDSRVY-----IGVQSELFEITITITQVLN : 335
cry6Aa : QTGLGLPVNEQ-----QBRTHVNLSDISIPDSFSQEDVNCSDITS-----A-EUUNNMLYPLIF : 106
cry7Aa : NSGLSRWEPD-----YEQMMVFAORRELESTVIDVALFELDVLRLY-----METSQSTFEITITITPV : 299
cry8Aa : KGLERWEPD-----SKSMAFAORRELESTVIDVALFELDVLRLY-----DKTTAQLTFEITITITDAI : 310
cry10Aa : NAGLITWEPD-----ATNNKFAORRELESTVIDVALFELDVLRLY-----IGVKESLFEITITITPV : 321
cry16Aa : NKGLERWEPD-----QNNMFAORRELESTVIDVALFELDVLRLY-----TEVKESLFEITITITPV : 313
cry19Ba : KSLERWEPD-----MSDFAORRELESTVIDVALFELDVLRLY-----KHVKESLFEITITITPV : 306
cry24Aa : TKGLERWEPD-----AIDMFAORRELESTVIDVALFELDVLRLY-----LSTKISLFEITITITPV : 300
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axmi007 : NFDRLTYLEIQPN-----LAIMEYNLTSSGLNLSFDEPIFYKNETYGNRLVGLANPNRSTYAI---TG : 414
cry1Aa : LENFDGSRFC-----MAQRIEQMDFQ--RHMDLNSHTITVDVHRGFNYUSGHQITASPVGFSCP--EF : 333
cry1Ac : LENFDGSRFC-----SAQRIEQMDFQ--RHMDLNSHTITVDVHRGFNYUSGHQIMASPVGFSCP--EF : 333
cry1Ia : GTVHPHPSFTSTTWNNAFSAIEAAVFN--RHMDLNSHTITVDVHRGFNYUSGHQIMASPVGFSCP--EF : 365
cry3Aa1 : VGVNLRGVC-----TTFNSNIENYBCK--RHMDLNSHTITVDVHRGFNYUSGHQIMASPVGFSCP--EF : 374
cry3Ba : FTLNALQEGY-----PTFSSNIENYBCK--RHMDLNSHTITVDVHRGFNYUSGHQIMASPVGFSCP--EF : 375
cry4Aa : FEESPVKYD-----FOYQEDSHTRFPHLSTLDSNLYEKAQITPNNFFTSHYMMFHYTLIDNLS--Q : 396
cry6Aa : KSANDIASYG-----FKVAGDPSRCKDGYFKLQDEDDNIVDNNSDDDAIAKAIKDFKARCGILIKEAK : 170
cry7Aa : SLSISNPDIGP-----SFSQMENTAURT--RHMDLNSHTITVDVHRGFNYUSGHQIMASPVGFSCP--EF : 360
cry8Aa : AFNIVTSTGFCNPWSTHSGILYEVENNVTP--RHMDLNSHTITVDVHRGFNYUSGHQIMASPVGFSCP--EF : 377
cry10Aa : SDTFRITTELENG-----LTRN--RHMDLNSHTITVDVHRGFNYUSGHQIMASPVGFSCP--EF : 374
cry16Aa : NGEIYGLMTPYFS-----FEKASLYTFA--RHMDLNSHTITVDVHRGFNYUSGHQIMASPVGFSCP--EF : 376
cry19Ba : MDHYVGLMVPYIS-----FEKASLYTFA--RHMDLNSHTITVDVHRGFNYUSGHQIMASPVGFSCP--EF : 370
cry24Aa : GRDTPSPFGDWNTG--RTLANFMDLEREDTSSSIVKQGDITIDGAIDSYRPTSPGDRIGVUYGNINAFYHT : 373
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axmi007 : TELLYGERTGPTTKTLTPFESYKVSIVDROITPTSPFPNIYFTINOITELYLNNSPNKLTYSAGGNLSNDKKT : 489
cry1Aa : AFPLFGNAGNAAPP-VLYSLTGLGIFRTLSSPIYRRILGSGPNQOE-LFVLDGTEFSASLTITNLPTIYRQ-- : 404
cry1Ac : TFPLYGTHGNAAPQRIYAQLGOGVRTLSTSTYRRFPN-IGINNQQ-LFVLDGTEFANG-TSSNLPAAVYRK-- : 403
cry1Ia : EFRITGGLNISTQGSTINTSINPVITPFTSRDVARTESLAGNLFLT-QPVNGVPRVDHMKFVTHPIASDNFY : 439
cry3Aa1 : RPSIGSNDITSPFYGDKSIEPIQKLSFDGQKQRTIANTDIAAFPDKIYFGVTKVDLSQYDDQKNETSTQTYD : 448
cry3Ba : RPSIGSNDITSPFYGDKSIEPIQKLSFDGQKQRTIANTDIAAFPDKIYFGVTKVDLSQYDDQKNETSTQTYD : 450
cry4Aa : KSSYFGMNVTDKLSLGLATNIYIFLLNVISIDMKYLNNDYNNISKMDFFITNGTRLLEKLTAGSGQIYDVNK : 471
cry6Aa : QYEEAANIVTSLDQLHGDQKLEGVINIQRLKEVOTALNQAHGE-SSPAHKELEKVKMLKTTLERIKAQ : 244
cry7Aa : KSEQSNLYTIGYKTSYVSSGAYSFHGNDIYRTLAAPSVMVYYP-TONYGVEQVEYGVKGHVHYRGDNKY : 433
cry8Aa : KYRTADSTVITYTANYGRITSEKNSFALEDROGEINSTVANLANY-QKAYGVPGSUDHMKVGRGTSSTIAYLYS : 451
cry10Aa : THTNDRNILUGAVHGNIIISQDTSKVFPFYRNKPIDKVEIVRHREYSDIYENIFFSNSSEVFRYSNNSIENN : 448
cry16Aa : EGSFRGQIDYGGTSSITINPSNYSVNLUTENIEYTPUGDPVNITKNFVSVDNNSSKEIYGAHRTNKPVR : 451
cry19Ba : NGPFLGQDEYGGTSSYIDISNNSSYVNLUTENIEYTPUGDPVNITKNFVSVDNNSSKEIYGAHRTNKPVR : 445
cry24Aa : GRDTPSPFGDWNTG--RTLANFMDLEREDTSSSIVKQGDITIDGAIDSYRPTSPGDRIGVUYGNINAFYHT : 447

axmi007 : -----TDFOFPVKDKCKPIINPNCILSYNSYSHILSOFSLFNYSYKIGLALNILYTGALEDSMVAANASD : 558
cry1Aa : -----RGTVSLDYDPPDONSVPFRAGTSERLSEHTMLSOAAG-----AVYTLRAPTSQDREAEFNHIPS : 467
cry1Ac : -----SGTVSLDEDPDNNVVPFRAGTSERLSEHTMLSOAAG-----AVYTLRAPTSQDREAEFNHIPS : 468
cry1Ia : PGYAGIG--TQLOSENERPEATGQNYESYSERLSHGLISAS-----HVKALVYSQDREAEFNHIPS : 504
cry3Aa1 : SKR---NVGAVSWSIDQLPPTIDELEKQYSHQNYMCFLHQGS-----RGTIPVLTQDREAEFNHIPS : 514
cry3Ba : SKRY---NGYLGAQSIDQLPPTIDELEKQYSHQNYMCFLHQGS-----RGTIPVLTQDREAEFNHIPS : 517
cry4Aa : N---IFGLPIKRRENGCPPLPPTIDYNYSHILSFKLSIPAT-----YKTOVYTAUTSAPKQPIYT : 535
cry6Aa : DLEKKVYSFLLGLLGFVYILENTAVOHIKNOIDEKKQLDSAQHLDLDRVKIIGHLNSINTDIDNLYSQGQ : 319
cry7Aa : -----DLTYSIDQLPDCG--EITHEKTEIRCHATAIFKSTP-----DYDNATIPISQDREAEFNHIPS : 494
cry8Aa : KHTALQCGTQVYESSEDELDRT-VVAESSESRSHSHSHFSKNG--SAYYSFPVYVUTSAPKQPIYT : 523
cry10Aa : -----YKRTDSYHIPKQTKWNEENGLTLETKTDNYIFSVVR-----ERRVAESQDREAEFNHIPS : 507
cry16Aa : -----TDFDFTLN--KECTELAKYNDNIIIEYALINGETFGQ-----KRHGYSAPKQPIYT : 509
cry19Ba : -----TDFNFTLN--RAGNGPTTYNDNIIIEYALINGETFGQ-----KRHGYSAPKQPIYT : 503
cry24Aa : -----YPSLPITITFGCESSSEGNANDYSHLCCQKQLQEDSSNICE--GRSSLSHAUTSAPKQPIYT : 512
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Fig. 1B

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      *           620           *           640           *           660           *
axmi007 : KLTNMDPAGNSDPTNSKVTCPCHTGNLWYLSQSG-----RLEITCRTPNSQSYIRHRYANGAGNTL : 626
cry1Aa : SQITDQPLTSTNIGSGTSMVKCPCHTGGDLEERTSPG-----QISTLRVNTAPLSQSYIRHRYANGAGNTL : 537
cry1Ac : DSTTQDPAWKGNTFNGSVIS-CPCHTGGDLEERTSPG-----QISTLRVNTAPLSQSYIRHRYANGAGNTL : 542
cry1Ia : DSTTQDPAWKGNTFNGSVIS-CPCHTGGDLEERTSPG-----QISTLRVNTAPLSQSYIRHRYANGAGNTL : 574
cry3Aa1 : KSTQDPLWYAYKQSGASWVAPCHTGGDLEERTSPG-----NGSAATLYVTPDVSYSQSYIRHRYANGAGNTL : 584
cry3Ba : EKSTQDPLWYAYKQSGASWVAPCHTGGDLEERTSPG-----NSIAKFKVTLNSAALLQSYIRHRYANGAGNTL : 589
cry4Aa : HLTQDPAWKGNTFNGSVIS-CPCHTGGDLEERTSPG-----HFKITCQHSNFOQSYIRHRYANGAGNTL : 601
cry6Aa : EAKVVFQKQGIWATIGAQIENLRITSLQEQSDDADEIQIELEDAADLVVAQEAQDFTLNATSDNRQNL : 394
cry7Aa : KSTQDPLWYAYKQSGASWVAPCHTGGDLEERTSPG-----YIGDIKATVNSPLSQSYIRHRYANGAGNTL : 564
cry8Aa : DKSTQDPAWKGNTFNGSVIS-CPCHTGGDLEERTSPG-----ILGTFAVTNGLSLQSYIRHRYANGAGNTL : 593
cry10Aa : DMSTQDPAWKGNTFNGSVIS-CPCHTGGDLEERTSPG-----MDFRVFLKNVERQVQSYIRHRYANGAGNTL : 574
cry16Aa : EKSTQDPAWKGNTFNGSVIS-CPCHTGGDLEERTSPG-----GLTHRFKAEILDQSYIRHRYANGAGNTL : 577
cry19Ba : DKSTQDPAWKGNTFNGSVIS-CPCHTGGDLEERTSPG-----FLSLRIK-LIASMTIRHRYANGAGNTL : 568
cry24Aa : DKSTQDPAWKGNTFNGSVIS-CPCHTGGDLEERTSPG-----VUSFKVYCELSKNIRHRYANGAGNTL : 579
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      680           *           700           *           720           *           740           *
axmi007 : PMISLTIPGVIGIPQRLNNFSGTNYN-PMQDQPGHFGPSTVTPLPLNR--NIPFFNRAVYSN-SIDIDK : 697
cry1Aa : TSDIG-----RPINQGNFSADHSSGS--MQSGSERTVGGIPFPMNSNG--SSVFTLSAHVFNSGNEVVDK : 601
cry1Ac : PMQGN-----SSIFSNTVPATSLD--MQSSDQGFESANATSSLG--N--TVGVKRFSGTAGVVDK : 603
cry1Ia : TSDIG-----KATNQGNTSADHNRGE--DQDKTERTVGGIPFPMNSLDV--QSTFTIGAMFSSGNEVVDK : 638
cry3Aa1 : TSDIG-----APFNQYYFDKLNKGD--TPTNSNLSASIPFELSG--NNLQIGVTGLSAGDKVVDK : 646
cry3Ba : VQNSN-----NDFLVIYINKQINIDG--DTIYOTEDATSNEMHGSQD--TNDFLIGAESFVSNKQVVDK : 653
cry4Aa : AVINLSIPG--VAELGMAINPTFSCTDYTHPKDQQLLESENEVKAPNQ--NISLVFNRSVYVNTTILVDK : 672
cry6Aa : DMNISDSNCSTTMTSNQYSNPTTMTSMOYHISHEVTSLPNNFHLRN-----SNLEYKCPENNFMHYVYNS : 464
cry7Aa : VYIND-----KITLQTKQNVETLIGCKQDTGSGGLENSHTIQDPDE--HPKITLHLSGLSMNSFFVVDK : 631
cry8Aa : VYNG-----DTTEKNRFNKGNDGA--SHYETDKASLIDFQRET--QDKILLSMGFFSSGQVVDK : 656
cry10Aa : FLTG-----IDTISVELPSTSRQNPATDTTADGCVTTPRTVPNKTFEGETLLTLYGTPNHSYNVVDK : 644
cry16Aa : PRKWGE-----GYIQQIHNSPTVG--AFSYLESITITENIDLTN--EVITYPYGROFVEDIPSILVDK : 642
cry19Ba : INIG-----YQNPITYNIPPTSRD--YTELKFEQQLVDHSYISGGP--SISSNTLWLNFSNGPILVDK : 632
cry24Aa : PRKUPS-----TGVAPROUARHNVQGTFSNSRVEAKQLDIFITPEENN-----FAFTIDLESGGDVVDK : 643
      y f           1 1

      760           *           780           *           800
axmi007 : ETPATISSVQRNRE---KQKLETIQTKNTFFTNHTKNTLNIEATNYDID : 744
cry1Aa : ETPVAEVVFEAEYD---LRAAKKAMTETSSNQIGLKTVDYDHYDQVS : 648
cry1Ac : ETPVTAILEAEYN---LRAAKKAMTETSTNQIGLKTVDYDHYDQVS : 650
cry1Ia : ETPVAEVVFEAEYD---FKAKEKMTALETSTNPRGLKTVDYDHYDQVS : 685
cry3Aa1 : ETPVQV----- : 652
cry3Ba : ETPVQV----- : 659
cry4Aa : ETPATISSIREDREKQKLETVQIETTPANPIKNTLOSELTDYDIDQAA : 722
cry6Aa : DQYNNSDUYNN----- : 475
cry7Aa : ETPVQVNVYAEKEK---LEKAKKAMTETTE-GRNALQKVDYDHYDQVS : 677
cry8Aa : ETPVQVNVYAEQD---LEAKKAMTETINTKO-GLRPGVTDYEVNQAA : 702
cry10Aa : ETPATISSVLDYTEKONIKETKILVDLVN----- : 675
cry16Aa : ETPVQV----- : 648
cry19Ba : ETPVQVGLLNQAQC---YDYDQNAIGVHQYNSNSGYNNOEYNTYYQS : 679
cry24Aa : ETPVQVSAFEYEGKQNTKTKKAVDQV----- : 674
      e5 p           n
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Fig. 1C